



CODE BLUE: Exploring Indigenous Solutions to the Water Crisis

*Saturday, 9th MARCH 2019 -
KARACHI*

Venue: Habib University, Karachi

CONFERENCE PLAN




1. THE TEAM AND THE PROJECT


CodeBlue is an initiative, curated by concerned citizens and leading water experts from the fields of engineering, social sciences, communication & design, science and architecture. It aims to address and explore solutions for today's most pressing water issues. CodeBlue aims to inspire the decision makers and community to take action in reshaping the water policy and solution making culture in Pakistan. This conference:

- **Recognizes** water scarcity is one of the major problems of the country and a necessity for every form of life and it requires a well-planned water infrastructure with the help of multiple stakeholders' input and technical intervention.
- **Understands** that water scarcity is approaching a critical phase and the current water crisis is a layered civic problem. It is essential that we look towards other sustainable alternatives of generating clean water and changing our current water consumption practices.
- **Contributes** by discussing a holistic approach to solving the water crisis in Pakistan, through the technical, economic, social and political perspective. It includes interactive panel talks, lectures, multimedia presentations, short films. CODEBLUE emphasizes using indigenous, local resources when tackling this issue, and will bring together on the same platform; students and faculty members, technical experts and engineers, members of the civil society and members of the government.
- **Invites** potential collaborators such as the government, universities, non-governmental organizations, industries, and citizens to help promote the proposed solutions presented by the participants and organizations.


2. CODEBLUE: INDIGENOUS SOLUTIONS TO THE WATER CRISIS

Our first conference “CodeBlue: Exploring Indigenous Solutions to the Water Crisis” is planned for 9th March 2019 at Karachi, that will focus on what policy and decision-makers can do in partnering with communities, businesses, scientists and individuals to design creative water solutions for Pakistan. It emphasizes a holistic approach to indigenous solutions by inviting experts on a common platform. It will serve as a melting pot for ideas from diverse backgrounds and perspectives, and promises to be a must-attend event for all concerned citizens.





The conference will contain a number of features, namely:

- ✚ Expert talks
 - ✚ Panel sessions, including interactive Q and A sessions
 - ✚ Multimedia/Short Films
 - ✚ Youth engaging activities
 - ✚ Submission of research videos/short films
 - ✚ Award for best video(s)
 - ✚ Government perspective and agendas
 - ✚ Networking opportunities
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3. LIST OF TOPICS FOR DELIBERATION

1) Technical Perspective

a. Generation

- i. Desalination
 - 1. Membrane production
 - 2. Solar energy- CSP
 - 3. Data analysis

b. Distribution

- i. Smart water flow meters
- ii. Mapping of water pipelines
- iii. Intelligent system for tankers (GPS)

c. Conservation

- i. Water recycling- separate lines for blue, black and grey water
- ii. Wastewater treatment
- iii. Recycling water in houses, buildings, mosques, malls, universities etc.

2) Economic Perspective

- a. Pricing water consumption
- b. Economics of water infrastructures
 - i. Domestic and Agriculture pricing structure
 - ii. Long term strategic options
- c. Water economics in urban areas

3) Socio cultural Perspective

- a. Link between water crisis and conflict
- b. Importance of representation when addressing the issue
- c. Individual level solutions to the water crisis
- d. Agricultural solutions (drop per crop / more crop per drop)
 - i. Drip/tape irrigation
 - ii. Saline agriculture
 - iii. Urban farming
- e. Rainwater catchment

4) Governmental Perspective

- a. Setbacks faced by the government in solving the issue
- b. Future plans
- c. Water mafia
- d. Feasibility of proposed solutions